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NPIC/R-895.64  
October 1964

14808

TCS-8438/64  
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57 Pages

PHOTOGRAPHIC INTERPRETATION REPORT

OAK - PART II  
MISSION 1011-1  
6-9 OCTOBER 1964

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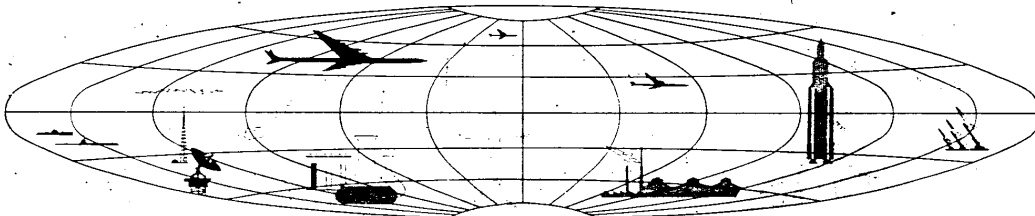
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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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# TOP SECRET CHESS RUFF

MISSION 1011-1, 6-9 OCTOBER 1964

TCS-8438 64

NPIC R-895 64

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## OAK - PART II MISSION 1011-1

### PREFACE

THIS IS THE SECOND AND LAST DAILY OAK REPORT ON MISSION 1011-1 DEALING WITH THE HIGHEST PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD FROM 1500 HOURS 14 OCTOBER 1964 TO 1630 HOURS 15 OCTOBER 1964 PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS OBSERVED ON MISSION 1011-1 ARE LISTED IN THE INDEX OF THIS REPORT.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATION OF TARGETS IN THIS REPORT IS INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA AND THE LETTER A PRECEDING FRAME NUMBERS INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMDARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY FROM MISSION 1011-1 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MEASURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

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## Highlights

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## HIGHLIGHTS

25X1A

1. KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER [REDACTED]  
MISSILE EXERCISES ARE APPARENTLY UNDERWAY AT BOTH LAUNCH  
AREAS 2C AND 3C. AT LAUNCH AREA 4C, CONSTRUCTION CONTINUES AT  
LAUNCH SITE 4C-1 AND THE LARGE STRUCTURE PREVIOUSLY OBSERVED  
AT THE EASTERN FORWARD SILO APPARENTLY HAS BEEN DISMANTLED.

25X1A

25X1D 2. SHUANG-CHENG-TZU MISSILE TEST CENTER [REDACTED]  
ENTIRE TEST CENTER COVERED BY CLEAR, GOOD-QUALITY PHOTOGRAPHY.  
THE SSM LAUNCH COMPLEXES SHOW NO APPARENT CHANGE IN FACILITIES.  
SINCE MISSION [REDACTED] THE SAM LAUNCH COMPLEX HAS NEW  
CONSTRUCTION ACTIVITY IN BOTH THE HOUSING AND SUPPORT AREA  
AND EQUIPMENT IS PRESENT IN THE LAUNCH SITES.

25X1A

3. MOSCOW GUIDED MISSILE PLANT 67 [REDACTED]  
THE PLANT IS LOCATED 8 NM EAST OF THE CENTER OF MOSCOW AND  
APPEARS TO CONSIST OF A RESEARCH AND DEVELOPMENT AREA  
AND A PRODUCTION AREA.

25X1A

4. MOSCOW SUSPECT ABM AREA [REDACTED]  
TWO NEW AREAS OF CONSTRUCTION IDENTIFIED AT SA-1 SAM SITES  
E05-1 AND E33-1. AT E05-1 THE ACTIVITY CONSISTS OF CLEARINGS  
FOR A SUSPECT BUILDING TRIAD, WHILE AT E33-1 THE ACTIVITY IS  
BELIEVED TO BE FOR A PROBABLE BUILDING TRIAD. A RECTANGULAR  
REVTMENT HAS BEEN COMPLETED BETWEEN THE FOURTH AND FIFTH  
RIB ROADS OF E05-1.

25X1A<sup>o</sup>

5. LENINGRAD PROBABLE AMM AREA [REDACTED]  
AT THE NE PROBABLE AMM COMPLEX, NO CHANGES ARE OBSERVED AT THE  
5 LAUNCH SITES, IN THE SUPPORT AREA, OR AT THE OUTRIGGER  
POSITIONS NW AND SE OF THE CONTROL CENTER. AREA ADJACENT TO  
THE CONTROL CENTER HAS BEEN LEVELED.

AT THE NW COMPLEX EARTH MOUNDING OF THE PROBABLE CONTROL CENTER  
HAS PROGRESSED AND THE AREA ADJACENT ON THE WEST HAS BEEN FURTHER  
LEVELED. NO CHANGE APPARENT IN STRUCTURES AT THE OUTRIGGER  
POSITIONS. CONSTRUCTION STATUS OF UNIDENTIFIED FACILITY AT SE  
CORNER OF COMPLEX IS UNDETERMINED. NO APPARENT CHANGES OBSERVED  
AT SW PROBABLE AMM COMPLEX.

25X1A

6. CHEREPOVETS SUSP AMM/SAM LNCH COMPLEX U/C [REDACTED]  
CONSTRUCTION AT THE SUSPECT LAUNCH SITES HAS PROGRESSED, HOWEVER,  
THEY REMAIN IN A VERY EARLY STAGE OF CONSTRUCTION.

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7. LITKI FIXED FIELD MRBM SITE 2 (MISSILE BONUS)  
THIS FIXED FIELD MRBM SITE HAS BEEN NEWLY IDENTIFIED 1.7 NM SOUTH  
OF LITKI AND IS THE THIRD SUCH SITE NEAR THE KORDSTEN MRBM  
LAUNCH COMPLEX.

25X1A

8. SERPUKHOV PROTON ACCELERATOR [REDACTED]  
EARTH COVERING OF ANNULAR HALL IS IN PROGRESS AND THE 5 EXHAUST  
UNITS ARE NEARING COMPLETION.

25X2

25X1A

10. ZAOZERNYY ATOMIC ENERGY COMPLEX [REDACTED]  
EXCELLENT CLEAR COVERAGE REVEALS DETAILS OF COMPLEX NOT PREVIOUSLY  
REPORTED.

11. OSTROV PANKRATYEVA LONG-RANGE LF NAV ANTENNA (ELEC BONUS)  
ANTENNA FOR 275-360 KC OPERATION HAS CABLE RUNS THAT INTERSECT AT  
90 DEGREES FORMING A T CONFIGURATION.

STATUS OF COMOR TARGET READOUT

A TOTAL OF 114 COMOR TARGETS WAS OBSERVED IN THE OAK REPORTING  
PERIOD AND ARE COVERED IN OAK PARTS I AND II AND ARE LISTED IN THE  
INDEX AT THE CONCLUSION OF THIS REPORT.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY IS PRESENTED IN THE  
FOLLOWING TABLES ON SUCCEEDING PAGES:

TABLE 1 -- SOVIET ICBM DEPLOYMENT  
TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT  
TABLE 3 -- SAM AND AMM DEPLOYMENT  
TABLE 4 -- NUCLEAR ENERGY ACTIVITY  
TABLE 5 -- AIRCRAFT ACTIVITY  
TABLE 6 -- SUBMARINE ACTIVITY  
TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

25X1D

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\* TCS-1, Soviet ICBM Deployment

Complex	Launch Area																Total Silo Sites	Total Bad Silo Sites	Total Launch Positions	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O					
Alex-1	M	M	M	M	M	M											6	6	6	
Bombardier-1st	(M)	(M)	(M)	(M)	(L)												5	5	5	
Bovyanaya	(L)	(L)	(L)	(L)	(L)	(L)											6	6	15	
Gladkaya	(L)	(L)		(M)	(L)												2	2	10	
Isont Gerdello	M	M	M	M	M												5	5	5	
Isont	C	C	C														3	3	6	
Kartaly	E	E	E														3 (1)	3 (1)	11	
Kerzhnaya	C	C	C	C	C	C	C	M									6	6	18	
Kozul-k	(L)	(L)		(L)	(L)	(L)											5	2	12	
Nova-dor-k	C	C	L	C	C												5	2	12	
Oboyanaya	(L)	(L)	(L)	(M)													4	3	15	
Osk	C																1	1	3	
Pora	C	C	C	C	C	L											5	1	12	
Plavsk	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)									6	1	19	
Shadrinsk	C	C	L														3	1	9	
Sokolovsk	(L)	(L)	C	(L)	(L)	(L)	(L)	(L)									6	1	17	
Taylor	(L)	(L)	(L)	(L)	(L)	(L)											6		12	
Tyumen	C		C														2		4	
Uzhor	(M)	(M)	(M)	(M)	(M)	(L)											6		6	
Verkhnyaya Saida	C	C	C	C	C	C	C	C	C								7	2	20	
Yelovsk	(L)	(L)	(L)	(L)	(L)	(L)	(L)										6	2	18	
Yoshkar-Ola	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		6		12	
Yurya	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		12		25	
Zhangzi-Tube	M	(M)	(M)	(M)	E												5		5	
Construction Status (C=complete, L=late, M=mid, E=early)																	Deployment Total	72	61 (1)	270
Tyumen MTC	C	C	C	C	L	C	C	M	C	M	M	M					10	9	25	
Grand Total																	87	73	205	

\* Includes Launch Point-14W, complete

\*\* Carried as Launch Group

\*\*\* Total does not include two SS-M pods at Complex E.

Includes 11 single silos: (6-Mey-1, 5-Bombardier-1, 3-Shadrinsk, 3-Kartaly, 6-Oboyanaya, 8-Tyumen MTC, 6-Uzhor, 5-Zhangzi-Tube)

† Possible

☐ Newly identified  
☐ Covered by current mission

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Table 2. Soviet MRBM and IRBM Deployment

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	121	11	18	11	161	633
Caucasus	3		2	3	8	29
Central Asia	2	4	1	5	12	43
Far Eastern	11	1		2	14	54
Totals	137	16	21	21	195	759

Totals do not include 65 fixed field-type sites with total of 233 clearings and one launch facility at Sovetskaya Gavan.

25X6 25X6

Table 3. SAM and AMM Deployment

	Country													Totals
	USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Romania	Yugoslavia	China	North Korea	Indonesia	Egypt	Cuba	India
SA-0	13													13
SA-1	56													56
SA-2	942*	1	19	22	47	16	30	16	3	11	2	4	13*	24**
SA-3	102					1								
SAM support facilities	185	1	3	5	4	3	6	4	1		1	3	6	
Probable AMM complexes	3													
AMM/SAM complexes	2***													

\*Does not include 8 alternate sites (4 in USSR and 4 in Egypt)

\*\*\*Includes 1 suspect complex.

\*\*Does not include 22 abandoned sites.

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25X2

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## Missiles

25X1A

## MISSILES

PLESETSK ICBM COMPLEX UR 6256N 04039E

COMPLEX COVERED BY GOOD-QUALITY PHOTOGRAPHY WITH SCATTERED CLOUDS. ALL KNOWN COMPONENTS OF THE COMPLEX ARE VISIBLE AND NO NEW ICBM ACTIVITY IS OBSERVED. LAUNCH POINTS I-IV (SITES 1-3) AND LAUNCH AREAS A THRU E (SITES 4-8) SHOW NO SIGNIFICANT CHANGE IN FACILITIES.

25X1D

LAUNCH AREA F -- EACH PAD HAS A CIRCULAR UNIDENTIFIED  
OBJECT NEAR THE CENTER. NO OTHER SIGNIFICANT  
CHANGE OBSERVED SINCE [REDACTED]  
NO OPERATIONAL ACTIVITY OBSERVED AT ANY OF THE  
COMPLETED LAUNCH AREAS.

25X1D

PROBABLE LAUNCH AREAS G (SITE 9) AND H (SITE 10) --  
CONSTRUCTION CONTINUES BUT NO SIGNIFICANT CHANGES  
ARE OBSERVED SINCE [REDACTED] THE RAIL  
TRACK HAS BEEN EXTENDED INTO LAUNCH AREA H (SITE 10)  
AND NOW TERMINATES ON THE 3 DEAD-END SPURS OF THE  
WISHBONE CONFIGURATION. THREE SHED-TYPE BUILDINGS  
HAVE BEEN ADDED IN THE VICINITY OF THE RAIL LINE  
BETWEEN THE 2 LAUNCH AREAS.

UNIDENTIFIED AREA EAST OF THE ADMINISTRATION/  
HOUSING AREA -- THE AREA CONSISTS OF A SECURED AREA  
CONTAINING A RAIL-SERVED CLERESTORY BUILDING UNDER  
CONSTRUCTION AND A DEAD-END SPUR. ANOTHER DEAD-END  
SPUR AND 2 BUILDINGS ARE LOCATED NW OF THE SECURED  
AREA. THERE ARE AT LEAST 6 BUILDINGS AND 2 CIRCULAR,  
SHALLOW EXCAVATIONS LOCATED NE OF THE SECURED AREA.  
A GOOD ROAD NETWORK, WITH WIDE-RADIUS TURNS, SERVES  
THE GENERAL AREA AND CONNECTS TO THE ADMINISTRATION/  
HOUSING AREA AND ALSO TO THE MAIN ROAD LEADING TO  
THE OPERATIONAL FACILITIES.

NO ABM ACTIVITY OBSERVED IN THE CLOUD-FREE AREAS  
WITHIN A 50-NM RADIUS.

(ATTACHMENTS 1 & 2)

25X1D

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25X1A

SVOBODNYY ICBM COMPLEX UR 5146N 12807E

COMPLEX IDENTIFICATION ONLY, EXCEPT FOR LAUNCH AREA C (SITE 2) AND THE COMMUNICATIONS SITE (LOCATED 3 NM NE OF THE COMPLEX SUPPORT FACILITY), WHICH ARE COMPLETELY CLOUD-COVERED.

NO ABM ACTIVITY NOTED IN CLOUD-FREE PORTIONS OF 50-NM RADIUS SEARCH AREA. ONE-HALF OF EASTERN HALF OF SEARCH AREA NOT COVERED.

25X1D

DROVYANAYA ICBM COMPLEX UR 5132N 11301E

COMPLEX COVERED BY GOOD-QUALITY STEREO PHOTOGRAPHY. NO SIGNIFICANT CHANGES OBSERVED AT THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, OR LAUNCH AREAS A (SITE 1), B (SITE 2), C (SITE 4), OR D (SITE 3). BOTH LAUNCH AREAS E (SITE 5) AND F (SITE 6) HAVE BEEN BACKFILLED AND ARE IN A LATE STAGE OF CONSTRUCTION. A RIM FACILITY IS UNDER CONSTRUCTION WITHIN EACH SITE. TWO MISSILE READY BUILDINGS ARE LOCATED JUST OFF THE NE EDGE OF THE LOOP ROAD AT LAUNCH AREA E (SITE 5)

25X9

25X9

IS LOCATED AT THE SW EDGE OF THE LOOP ROAD. AT LAUNCH AREA F (SITE 6) THE MISSILE READY BUILDINGS ARE LOCATED AT THE NW CORNER OF THE SITE AND

25X9

25X9

NO ABM ACTIVITY OBSERVED IN THE EASTERN 75 PERCENT OF THE 50-NM RADIUS SEARCH AREA. WESTERN 25 PERCENT NOT COVERED.

25X1D

TEYKOVO ICBM COMPLEX UR 5652N 04035E

COMPLEX IS COVERED BY GOOD-QUALITY STEREO PHOTOGRAPHY. NO SIGNIFICANT CHANGES APPARENT AT THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER

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POINT, OR LAUNCH AREAS A (SITE 1), B (SITE 2),  
C (SITE 3), D (SITE 4), E (SITE 5), F (SITE 6). NO  
NEW CONSTRUCTION IDENTIFIED.

25X1D NO ABM ACTIVITY OBSERVED IN THE WESTERN HALF OF THE  
50-NM RADIUS SEARCH AREA. EASTERN HALF NOT COVERED.

25X1A

YEDROVO ICBM COMPLEX UR 5751N 03341E

COMPLEX COVERED BY FAIR-QUALITY STEREO PHOTOGRAPHY.  
NO SIGNIFICANT CHANGES OBSERVED AT THE COMPLEX  
SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT,  
LAUNCH AREA A (SITE 2), LAUNCH AREA B (SITE 1),  
LAUNCH AREA C (SITE 5), LAUNCH AREA D (SITE 4),  
LAUNCH AREA F (SITE 6), AND LAUNCH AREA G (SITE 7).  
THE LEFT SILO IS OPEN AT LAUNCH AREA E (SITE 8) AND  
THE CENTER SILO IS OPEN AT LAUNCH AREA I (SITE 3).  
LAUNCH AREA H (SITE 9) IS BEING DROPPED FROM THE  
ICBM COUNT, SINCE THE AREA SHOWS NO CHANGE SINCE  
[REDACTED] AND THE CHARACTERISTIC FEATURES  
OF A COMPLETED TYPE IIIA SITE STILL CANNOT BE  
IDENTIFIED.

NO ABM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF THE  
COMPLEX.

25X1D

GLADKAYA ICBM COMPLEX UR 5605N 09213E

ENTIRE COMPLEX EXCEPT LAUNCH AREA A (SITE 3)  
COVERED BY POOR-QUALITY PARTIAL STEREO PHOTOGRAPHY.  
NO APPARENT CHANGE IN THE COMPLEX SUPPORT FACILITY,  
RAIL-TO-ROAD TRANSFER POINT, AND LAUNCH AREA B  
(SITE 2) SINCE [REDACTED] LAUNCH AREAS D  
(SITE 5) AND E (SITE 6) ARE IDENTIFICATION ONLY.

NO ABM ACTIVITY OBSERVED IN EASTERN HALF OF 50-NM  
SEARCH AREA.

25X1D

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25X1D

25X1A

UZHUR ICBM COMPLEX UR 5517N 08949E

COMPLEX IDENTIFIED ONLY.

NO ABM ACTIVITY OBSERVED IN VISIBLE PORTIONS OF  
50-NM RADIUS SEARCH AREA.

25X1D

KOZELSK ICBM COMPLEX UR 5357N 03548E

COMPLEX COVERED BY CLEAR, FAIR- TO GOOD-QUALITY  
PHOTOGRAPHY. NO SIGNIFICANT CHANGES SINCE MISSION

25X1D

AT THE COMPLEX SUPPORT FACILITY,  
THE RAIL-TO-ROAD TRANSFER POINT, OR TYPE IIC  
LAUNCH AREAS A (SITE 3), B (SITE 2), D (SITE 4),  
AND TYPE IIIB LAUNCH AREA E (SITE 5). TYPE IIIB  
LAUNCH AREA F (SITE 6) APPEARS TO BE COMPLETE.  
NO NEW CONSTRUCTION IDENTIFIED.

NO ABM ACTIVITY OBSERVED WITHIN 50-NM OF THE  
COMPLEX. EASTERN ONE-THIRD OF SEARCH AREA NOT  
COVERED.

25X1D

NERCHINSK SUSPECT SSM AREA UR 5158N 11635E

NO SSM ACTIVITY OBSERVED IN WESTERN HALF OF 50-NM  
RADIUS SEARCH AREA. EASTERN HALF NOT COVERED.

25X1D

GVARDEYSK MRBM LAUNCH SITE 2 UR 5445N 02109E

NO NEW HARDENED SSM ACTIVITY OBSERVED WITHIN  
25-NM RADIUS SEARCH AREA.

EXTENT AND QUALITY OF PHOTOGRAPHIC COVERAGE PERMITS  
NEGATION OF AREA.

25X1D

25X1A

SLAVSK MRBM LAUNCH SITE 2 UR 5500N 02129E

NO NEW HARDENED SSM ACTIVITY OBSERVED IN 25-NM  
RADIUS SEARCH AREA.

EXTENT AND QUALITY OF PHOTOGRAPHIC COVERAGE PERMITS  
NEGATION OF AREA.

25X1D

ZNAMENSK MRBM LAUNCH SITE 1 UR 5433N 02111E

NO NEW HARDENED SSM ACTIVITY OBSERVED IN THE 25-NM  
RADIUS SEARCH AREA.

QUALITY OF PHOTOGRAPHIC COVERAGE PERMITS NEGATION OF  
AREA.

25X1D

GUSEV MRBM LAUNCH SITE 1 UR 5441N 02205E

NO NEW HARDENED SSM ACTIVITY OBSERVED WITHIN 25-NM  
RADIUS SEARCH AREA.

QUALITY AND EXTENT OF PHOTOGRAPHIC COVERAGE PERMITS  
NEGATION OF AREA.

25X1D

YELSK MRBM LAUNCH SITE 1 UR 5142N 02912E

NO SSM ACTIVITY SIMILAR TO AREA 4C AT KYMTC OBSERVED  
IN 25-NM RADIUS SEARCH AREA. THE AREA IS 100 PERCENT  
COVERED BY GOOD-QUALITY, CLEAR PHOTOGRAPHY AND  
CAN BE NEGATED.

25X1D



25X1A

BALTA MRBM LAUNCH SITE 1 UR 4801N 02933E

NO ADDITIONAL SSM ACTIVITY OBSERVED WITHIN 25-NM  
RADIUS. AREA 100 PERCENT COVERED BY CLEAR  
PHOTOGRAPHY AND CAN BE NEGATED.

25X1D

NEMAN MRBM LAUNCH SITE UR 5501N 02211E

NO NEW HARDENED SSM ACTIVITY OBSERVED WITHIN 25-NM  
RADIUS SEARCH AREA.

QUALITY AND EXTENT OF PHOTOGRAPHY PERMITS NEGATION  
OF AREA.

25X1D

ZHITOMIR MRBM LAUNCH SITE 1 UR 5004N 02816E

NO SSM ACTIVITY SIMILAR TO AREA 4C AT KYMTC OBSERVED  
IN 25-NM RADIUS SEARCH AREA.

AREA 100 PERCENT COVERED BY GOOD-QUALITY, CLEAR  
PHOTOGRAPHY AND CAN BE NEGATED.

25X1D

PETRIKOV MRBM LAUNCH SITE UR 5210N 02834E

NO SSM ACTIVITY SIMILAR TO THAT AT AREA 4C AT  
KYMTC OBSERVED IN 25-NM SEARCH AREA.

AREA IS 100 PERCENT COVERED BY GOOD-QUALITY, CLEAR  
PHOTOGRAPHY AND CAN BE NEGATED.

25X1D

BERDICHEV MRBM LAUNCH SITE UR 5005N 02822E

NO SSM ACTIVITY SIMILAR TO AREA 4C AT KYMTC

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OBSERVED IN 25-NM RADIUS SEARCH AREA.

25X1D

AREA 100 PERCENT COVERED BY GOOD-QUALITY, CLEAR  
PHOTOGRAPHY AND CAN BE NEGATED.

25X1A

GRANOV IRBM LAUNCH SITE 2 UR 4849N 02929E  
LAUNCH SITE IS COMPLETE.

NO ELECTRONIC OR

25X9

25X1D

GURLEVO MRBM LAUNCH SITE UR 5925N 02852E

25X1D

OTYNYA MRBM LAUNCH SITE UR 4847N 02450E  
NO APPARENT CHANGE SINCE

25X1D

NO NUCLEAR WARHEAD FACILITY OR ELECTRONICS/  
COMMUNICATIONS FACILITIES OBSERVED IN THE LAUNCH AREA.

25X1D

RUDNYA ZLOTINSKAYA MRBM LAUNCH SITE UR 5104N 02807E

25X1D

SOKAL MRBM LAUNCH SITE 3 UR 5020N 02426E  
NO APPARENT CHANGE SINCE

25X1D

Handle Via  
TALENT-KEYHOLE  
Control System Only

# TOP SECRET CHESS RUFF

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TCS-8438/64  
NPIC R-895/64

25X1D

25X1A

LIELELEJA MRBM LAUNCH SITE UR 5624N 02336E

NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

HAZE PRECLUDES DETAILED INTERPRETATION.

25X1D

SEMENOVKA IRBM LAUNCH SITE 2 UR 4753N 03057E

25X1D

KISHENTSY MRBM LAUNCH SITE UR 4900N 03013E

NO APPARENT CHANGE SINCE

25X1D

NO NEW SSM ACTIVITY IN 25-NM RADIUS SEARCH AREA.

AREA IS 100 PERCENT COVERED BY CLOUD-FREE, GOOD-  
QUALITY PHOTOGRAPHY AND AREA CAN BE NEGATED.

ELECTRONIC FACILITIES OBSERVED.

25X9

25X1D

KALNIK IRBM LAUNCH SITE UR 4859N 02922E

SITE IN LATE STAGE OF CONSTRUCTION. BACKFILLING  
IS NOT COMPLETE ON LEFT FRONT SILO. NO ELECTRONIC

25X9

25X1D

BOLSHAYA KAMENKA IRBM LAUNCH SITE UR 5145N 04541E

NO APPARENT CHANGE SINCE

25X1D

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25X1D

NO VEHICULAR ACTIVITY IN SITE AREA.

25X1A

KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR UR 4835N 04545E

THE SAM FACILITIES, ELECTRONIC SITE, AND  
AIRFIELD ARE IDENTIFICATION ONLY.

25X1D

THE TEST AND SUPPORT COMPLEX SHOWS NO APPARENT  
CHANGE IN FACILITIES SINCE [REDACTED]  
LAUNCH COMPLEX E (SITE 3), ITS ASSOCIATED  
BIVOUAC/TRAINING AREA, AND THE NEW AREA NNE  
ARE CLOUD COVERED. THE TROOP TRAINING AREA  
BETWEEN LAUNCH COMPLEXES A AND E AND THE LAUNCH  
COMPLEX A SUPPORT AND HOUSING AREA ARE BOTH  
PARTIALLY CLOUD COVERED BUT VEHICLES CAN BE  
OBSERVED IN THE SAME RELATIVE POSITIONS AS ON

25X1D

[REDACTED] LAUNCH COMPLEXES A AND B  
SHOW NO APPARENT CHANGE IN FACILITIES SINCE  
[REDACTED] AND NO ACTIVITY IS OBSERVED  
IN LAUNCH AREAS OF EITHER COMPLEX. TENTS AND  
VEHICLES ARE STILL PRESENT IN THE BIVOUAC/TRAINING  
AREAS WEST OF THE B LAUNCH AREAS.

25X1D

LAUNCH COMPLEX C (SITES 2, 4-9) -- LAUNCH AREA 1C  
(SITE 7) SHOWS NO APPARENT CHANGE IN FACILITIES  
SINCE [REDACTED] TWO VEHICLES/PIECES  
OF EQUIPMENT ARE ON THE ROAD IN THE LAUNCH AREA 1C  
FINAL CHECKOUT AREA.

25X1D

25X1D

LAUNCH AREA 2C (SITE 6) -- NO APPARENT CHANGE IN  
FACILITIES SINCE [REDACTED] AN  
EXERCISE IS APPARENTLY UNDERWAY WITH VEHICLES/  
PIECES OF EQUIPMENT PRESENT ON BOTH PADS.

25X1D

LAUNCH AREA 3C (SITE 5) -- NO APPARENT CHANGE  
IN FACILITIES SINCE [REDACTED] AN  
EXERCISE IS APPARENTLY UNDERWAY WITH VEHICLES/  
PIECES OF EQUIPMENT PRESENT ON THE PAD.

LAUNCH AREA 4C (SITE 4) -- CONSTRUCTION CONTINUES  
AT LAUNCH SITE 4C-1 WITH UNIDENTIFIED ACTIVITY  
TAKING PLACE AT THE EASTERN FORWARD SILO. THE

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25X1D

LARGE STRUCTURE PREVIOUSLY OBSERVED AT THIS  
SILO APPARENTLY HAS BEEN DISMANTLED. NO  
APPARENT CHANGE IN FACILITIES SINCE [REDACTED]  
[REDACTED] AT LAUNCH SITE 4C-2. THE 2 FORWARD SILOS  
ARE BOTH OPEN. SEVERAL VEHICLES/PIECES OF  
EQUIPMENT CAN BE SEEN IN THE SITE.

25X1D

25X1D

LAUNCH AREA 5C (SITE 2) -- NO APPARENT CHANGE  
IN FACILITIES SINCE [REDACTED]  
SEVERAL VEHICLES/PIECES OF EQUIPMENT CAN BE  
SEEN IN LAUNCH SITE 5C-1.

LAUNCH COMPLEX C SUPPORT AREA -- NO APPARENT  
CHANGE IN FACILITIES SINCE [REDACTED]  
IN THE ADMINISTRATIVE, HOUSING AND SERVICE  
AREAS, SSM BIVOUAC AREAS, MISSILE FINAL ASSEMBLY  
AND CHECKOUT AREA, [REDACTED] AND CHECKOUT  
AREAS, AND THE UNIDENTIFIED FACILITY NORTH OF  
THE RANGEHEAD INTERFEROMETER SITE. VEHICLES  
ARE PARKED IN THE ADMINISTRATION, HOUSING AND  
SERVICE AREA, AND THE SSM BIVOUAC AREA.  
VEHICLES/PIECES OF EQUIPMENT ARE ALSO PRESENT  
IN THE [REDACTED] AND CHECKOUT AREA EAST OF AND  
THE UNIDENTIFIED FACILITY NORTH OF LAUNCH  
COMPLEX C.

25X1D

25X9

25X9

25X1D

CONSTRUCTION CONTINUES IN THE RAIL-SERVED  
PROBABLE MISSILE ASSEMBLY AND CHECKOUT AREA  
APPROXIMATELY 5.5 NM NW OF LAUNCH COMPLEX C.  
A REVEMENT HAS BEEN CONSTRUCTED SINCE [REDACTED]  
[REDACTED] BETWEEN THE 3 NEW POSSIBLE DRIVE-THROUGH  
BUILDINGS AND THE OLDER PORTION OF THE  
INSTALLATION.

25X1D

25X1D

LAUNCH COMPLEX D (SITE 1) -- NO APPARENT CHANGE  
IN FACILITIES SINCE [REDACTED]  
UNIDENTIFIED EQUIPMENT IS PRESENT ON LAUNCH  
PAD 1D-3.

THE LAUNCH COMPLEX G HOUSING AND SUPPORT AREA,  
AND THE 2 TRACKING SITES WEST OF G ARE  
IDENTIFICATION ONLY.

THE LAUNCH COMPLEX G LAUNCH AREA, THE LAUNCH  
COMPLEX D FINAL ASSEMBLY AND CHECKOUT AREA,  
THE MISSILE STORAGE AND HANDLING AREA NORTH OF

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25X1D

VLADIMIROVKA AIRFIELD, AND VLADIMIROVKA AIRFIELD  
ARE ALL CLOUD COVERED.

25X1A

SHUANG-CHENG-TZU MISSILE TEST CENTER CH 4107N 10020E

THE ENTIRE SHUANG-CHENG-TZU MISSILE TEST CENTER  
IS COVERED BY CLEAR, GOOD-QUALITY PHOTOGRAPHY.

25X1D

THE SSM LAUNCH COMPLEXES SHOW NO APPARENT CHANGE IN  
FACILITIES SINCE [REDACTED] A SMALL  
UNIDENTIFIED OBJECT IS PRESENT ON THE PAD OF LAUNCH  
AREA C. AN UNIDENTIFIED VEHICLE APPROXIMATELY 70 FT  
LONG IS PARKED ALONGSIDE THE FINAL CHECKOUT  
BUILDING IN THE LAUNCH COMPLEX A FINAL CHECKOUT AREA.  
THREE VEHICLES ARE OBSERVED IN THE MOTOR POOL OF THE  
SSM HOUSING AND SUPPORT AREA AND 2 VEHICLES ARE  
PARKED ON THE PLATFORM OF THE ADJACENT METEOROLOGICAL  
STATION. THE SAM LAUNCH COMPLEX SHOWS NEW  
CONSTRUCTION ACTIVITY IN BOTH THE HOUSING AND SUPPORT  
AREA. ONE NEW BUILDING HAS BEEN COMPLETED  
SINCE [REDACTED] EQUIPMENT IS PRESENT IN  
THE LAUNCH SITES.

25X1D

LAUNCH SITE A HAS AN UNIDENTIFIED PIECE OF EQUIPMENT  
PRESENT ON 5 OF THE LAUNCH PADS, 5 PIECES OF  
EQUIPMENT/VEHICLES IN THE CENTRAL GUIDANCE AREA,  
AND AT LEAST 5 VEHICLES/PIECES OF EQUIPMENT PARKED  
IN THE REVETTED HOLD AREA TO THE REAR.

25X1D

LAUNCH SITE B HAS AN UNIDENTIFIED PIECE OF EQUIPMENT  
PRESENT ON 5 OF THE LAUNCH PADS, INCLUDING ONE  
OF THE 2 PROTECTED BY LARGE REVETMENTS. A PROBABLE  
GUIDANCE RADAR IS IN FRONT OF THE BUILDING IN THE  
GUIDANCE AREA AND AT LEAST 4 PIECES OF EQUIPMENT ARE  
IN THE REVETTED HOLD AREA. NO APPARENT CHANGE SINCE  
[REDACTED] IN THE 4 OPERATIONAL SUPPORT  
AREAS OR THE THERMAL ELECTRIC POWER PLANT NEAR THE  
MAIN SUPPORT BASE.

25X1D

TWO LARGE PROBABLE SHOP-TYPE BUILDINGS HAVE BEEN  
COMPLETED SINCE [REDACTED] IN THE MAIN  
SUPPORT BASE AND ADDITIONAL SUPPORT STRUCTURES MAY BE

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25X1D

UNDER CONSTRUCTION. NUMEROUS VEHICLES ARE PARKED  
THROUGHOUT THE AREA. THE SHUANG-CHENG-TZU AIRFIELD  
SHOWS NO APPARENT CHANGE IN FACILITIES SINCE  
[REDACTED] SIX AIRCRAFT ARE PARKED AT THE  
AIRFIELD.

25X1D

25X1A

[REDACTED] SHUANG-CHENG-TZU 650 NM IMPACT AREA CH 4041N 08600E  
ONLY WESTERN 60 PERCENT OF SEARCH AREA COVERED.

NO INSTRUMENTATION, COMMUNICATIONS, OR SUPPORT  
FACILITIES OR TRANSPORT ROUTES INTO THE AREA OBSERVED.  
ADJACENT DESERT AREA ALSO SEARCHED FOR APPROXIMATELY  
50 NM SOUTH OF THE WESTERN PORTION OF REQUESTED  
SEARCH AREA WITH NEGATIVE RESULTS.

25X1D

[REDACTED] MOSCOW GUIDED MISSILE PLANT 67 UR 5545N 03752E

THIS PLANT, IN THE SUBURB OF REUTOV, 8 NM EAST  
OF THE CENTER OF MOSCOW, APPEARS TO CONSIST OF  
A R&D AND A PRODUCTION AREA. THE R&D AREA IS  
COMPOSED OF A MACHINE/ASSEMBLY SHOP, A HIGH-BAY  
BUILDING, 3 LARGE ADMINISTRATION/ENGINEERING  
BUILDINGS, A LONG NARROW BUILDING SEPARATELY  
SECURED, AND A WIND TUNNEL WITH A SMALL  
BUILDING WITH 2 LARGE STACKS.

THE PRODUCTION AREA CONTAINS AN ASSEMBLY  
BUILDING WITH A HIGH-BAY SECTION, A U-SHAPED  
BUILDING, A MEDIUM-SIZE HIGH-HAT BUILDING, 2 SMALL  
MACHINE SHOPS, A TRANSFORMER SUBSTATION, AND  
NUMEROUS SMALL BUILDINGS. AN ADDITIONAL BUILDING  
APPEARS TO BE IN AN EARLY STAGE OF CONSTRUCTION.  
THE AREA IS RAIL SERVED, SECURED BY A WALL, AND  
HAS SEVERAL INTERNAL SECURITY WALLS.

(ATTACHMENT 3)

25X1D

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25X1A

KRASNAYA GORBATKA SUSPECT SSM AREA UR 5553N 04146E

NO MISSILE-RELATED ACTIVITY OBSERVED IN WESTERN  
20 PERCENT OF SEARCH AREA. REMAINDER NOT COVERED.  
AREA CANNOT BE NEGATED.

25X1D

NOVOSTROYKA SUSPECT SSM AREA UR 5619N 03803E

NO NEW SSM ACTIVITY OBSERVED WITHIN 50-NM RADIUS  
SEARCH AREA.

25X1D

CHEBARKUL SUSPECT SSM AREA UR 5458N 06025E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF  
50-NM RADIUS SEARCH AREA, WHICH IS 95 PERCENT CLOUD  
COVERED.

25X1D

KUZNETSK SUSPECT SSM AREA UR 5307N 04636E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF  
THE WESTERN ONE-THIRD OF THE 50-NM RADIUS SEARCH  
AREA. EASTERN TWO-THIRDS CLOUD COVERED.

25X1D

MOSCOW SUSPECT ABM AREA UR 5545N 03737E

APPROXIMATELY 75 PERCENT OF SEARCH AREA OBSERVED ON  
CLOUD-FREE PHOTOGRAPHY. TWO NEW AREAS OF CONSTRUCTION  
IDENTIFIED AT SA-1 SAM SITES E05-1 AND E33-1.  
AT E33-1 A PROBABLE BUILDING TRIAD IS UNDER  
CONSTRUCTION 2,040 FT EAST OF THE PREVIOUSLY  
IDENTIFIED POSSIBLE AMM ASSOCIATED ELECTRONIC  
FACILITY. THE CONSTRUCTION CONSISTS OF 2 CLEARINGS



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210 X 155 FT AND 320 X 240 FT AND AN EXCAVATION MEASURING APPROXIMATELY 190 X 140 FT. THE 3 AREAS ARE ARRANGED IN TRIANGULAR CONFIGURATION WITH SIDES MEASURING 820, 880, AND 920 FT RESPECTIVELY. AT THE NW CORNER OF THE LARGE BUILDING AT THE POSSIBLE AMM-ASSOCIATED ELECTRONIC FACILITY IS A NEWLY IDENTIFIED CIRCULAR STRUCTURE APPROXIMATELY 145 FT IN DIAMETER ENCIRCLING A POSSIBLE RECESSED DOME. NEITHER CHANGE WAS VISIBLE ON MISSION [REDACTED]

25X1D

25X1D

AT E05-1 CLEARINGS FOR A SUSPECT BUILDING TRIAD ARE IDENTIFIED 2,085 FT SE OF THE PREVIOUSLY REPORTED POSSIBLE AMM-ASSOCIATED ELECTRONIC FACILITY. THE 3 CLEARINGS MEASURE 400 X 170, 125 X 115, AND 125 X 85 FT, RESPECTIVELY, AND ARE ARRANGED IN A TRIANGULAR CONFIGURATION WITH SIDES MEASURING 850, 870, AND 950 FT. A ROAD IS UNDER CONSTRUCTION CONNECTING THE LAUNCH AREA PERIMETER ROAD WITH THE 400 X 170 FT CLEARING. THIS ACTIVITY WAS NOT VISIBLE ON [REDACTED]

25X1D

A RECTANGULAR REVETMENT HAS BEEN COMPLETED BETWEEN THE FOURTH AND FIFTH RIB ROADS OF E05-1 ON THE NORTH SIDE OF THE LAUNCH AREA. PRELIMINARY CLEARING FOR REVETMENT CONSTRUCTION WAS FIRST OBSERVED ON [REDACTED]

25X1D

ACTIVITY CONTINUES IN THE AREAS OF UNIDENTIFIED CONSTRUCTION AT SA-1 SAM SITES C25-1, C30-1, C33-1, AND E10-1. THE REMAINDER OF THE SA-1 SAM SITES ARE NOT COVERED OR SHOW NO APPARENT CHANGE SINCE [REDACTED]

25X1D

(ATTACHMENTS 4 &amp; 5)

25X1A

[REDACTED] LENINGRAD PROBABLE AMM AREA UR 5955N 03020E

25X1D

AREA COVERED BY GOOD-QUALITY, CLOUD-FREE STEREO PHOTOGRAPHY. NO AMM-RELATED ELECTRONIC EQUIPMENT, NEW ELECTRONIC SITES, OR [REDACTED] FACILITIES IDENTIFIED IN THE REFERENCED SEARCH AREA. NO MISSILES, MISSILE-ASSOCIATED VEHICLES/EQUIPMENT, OR ELECTRONICS EQUIPMENT IDENTIFIED. NEW ACTIVITY SINCE [REDACTED] IS OBSERVED IN THE VICINITY OF THE PROBABLE COMPLEX CONTROL CENTER AT THE NE PROBABLE AMM LAUNCH COMPLEX. EARTH

25X9

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25X1D

25X1D

HAS BEEN REMOVED AND THE AREA LEVELED ADJACENT TO THE NW SIDE OF THE CONTROL CENTER. ADDITIONAL EARTH REMOVAL HAS OCCURRED AT 2 LOCATIONS EAST OF THE CONTROL CENTER, ONE APPROXIMATELY 600 FT FROM THE CENTER AND THE OTHER ON TERRAIN AT A LOWER ELEVATION APPROXIMATELY 500 FT SW OF THE SUPPORT AREA. EARTH HAS BEEN MOUNDED TO A CONSIDERABLE HEIGHT JUST NW OF THE SUPPORT AREA. DISTURBED EARTH WAS OBSERVED AT THIS LOCATION ON [REDACTED] WITH NO EVIDENCE OF ACTIVITY ON [REDACTED] A NW/SE ROAD APPROXIMATELY 300 FT EAST OF THE PROBABLE COMPLEX CONTROL CENTER HAS BEEN IMPROVED AND EXTENDED TO A POINT APPROXIMATELY 600 FT NNE OF THE CENTER. TWO NEW SMALL STRUCTURES ARE LOCATED ALONG THIS ROAD, ONE APPROXIMATELY 300 FT NE OF THE CENTER AND THE OTHER 600 FT SE. NO CHANGES OR ADDITIONS ARE APPARENT AT THE OUTRIGGER POSITIONS NW AND SE OF THE CONTROL CENTER. NO CHANGES OR ADDITIONS ARE OBSERVED AT THE 5 LAUNCH SITES OR IN THE SUPPORT AREA.

25X1D

25X1D

EARTH MOUNDING OF THE PROBABLE COMPLEX CONTROL CENTER AT THE NW COMPLEX HAS PROGRESSED CONSIDERABLY SINCE [REDACTED] THE ROOF IS COMPLETELY COVERED AND APPEARS GREY IN TONE. THE WESTERN WALL EXTENDS ABOVE ROOF LEVEL. AN ENTRANCE IS LOCATED ON THE NORTH SIDE OF THE MOUNDED STRUCTURE. THE AREA ADJACENT TO THE CONTROL CENTER TO THE WEST HAS BEEN FURTHER LEVELED SINCE [REDACTED] AND NOW APPEARS SMOOTH SURFACED.

NO CHANGE IS APPARENT IN THE STRUCTURES AT THE OUTRIGGER POSITIONS NE AND SW OF THE CONTROL CENTER.

ACTIVITY OF AN UNDETERMINED NATURE HAS OCCURRED AT THE SITE CONTROL BUILDING AT LAUNCH SITE A. NO ADDITIONAL CHANGES OR ACTIVITY OBSERVED WITHIN THE LAUNCH SITES OR THE COMPLEX SUPPORT AREA.

CONSTRUCTION STATUS OF THE UNIDENTIFIED FACILITY AT THE SE CORNER OF THE NW COMPLEX IS UNDETERMINED BECAUSE OF POOR IMAGE QUALITY PHOTOGRAPHY. NO EQUIPMENT OR STRUCTURES ARE DISCERNIBLE ON THE 2. ELEVATED HARDSTANDS MOST CLEARLY VISIBLE. A LONG, LOW NARROW STRUCTURE CENTRALLY LOCATED WITHIN THE

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FACILITY CANNOT BE CONFIRMED AS A BUILDING OR  
REVETMENT.

NO APPARENT CHANGES OR ADDITIONS OBSERVED IN  
FACILITIES AT THE SW PROBABLE AMM LAUNCH COMPLEX  
OR AT THE POSSIBLE AMM TRAINING FACILITY  
COLLOCATED WITH LENINGRAD SAM TRAINING FACILITY C-06.

25X1D (ATTACHMENTS 6 & 7)

25X1A

CHEREPOVETS SUSP AMM/SAM LNCH COMPLEX U/C UR 5906N 03810E

25X1D COMPLEX COVERED BY GOOD-QUALITY CLOUD-FREE STEREO  
PHOTOGRAPHY. CONSTRUCTION AT THE SUSPECT LAUNCH SITES  
HAS PROGRESSED SINCE [REDACTED] HOWEVER,  
THEY REMAIN IN A VERY EARLY CONSTRUCTION STAGE.  
NO APPARENT CHANGE AT THE SUPPORT AREA 0.5 NM NW OF  
THE SITES. ROAD IMPROVEMENT CONTINUES NORTHWEST OF  
25X1D THE SUPPORT AREA. NO MISSILES, MISSILE-RELATED  
EQUIPMENT, OR ELECTRONIC FACILITIES OBSERVED.

BONUS 1 SOLTSY SAM SITE UR 5755N 02936E

25X1D NEWLY IDENTIFIED LINK-CONFIGURATION SA-2 SAM SITE  
IN MID-STAGE OF CONSTRUCTION LOCATED 24.5 NM  
SW OF SOLTSY.

BONUS 2 SOLTSY SAM SITE UR 5800N 03002E

25X1D NEWLY IDENTIFIED LINK-CONFIGURATION SA-2 SAM SITE  
IN LATE STAGE OF CONSTRUCTION LOCATED 10.5 NM SW  
OF SOLTSY.

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BONUS 3 KALININ SAM SITE UR 5709N 03605E

25X1D

NEWLY IDENTIFIED SA-2 SAM SITE LOCATED 19 NM NNE  
OF KALININ.

BONUS 4 KALININ SAM SITE UR 5644N 03617E

25X1D

NEWLY IDENTIFIED COMPLETED LINK-CONFIGURATION SA-2  
SAM SITE LOCATED 16 NM SE OF KALININ.

BONUS 5 LITKI FIXED FIELD MRBM SITE 2 UR 5101N 02824E

25X1D

SITE 2 NM WSW OF LITKI FIXED FIELD MRBM SITE 1 AND  
1.7 NM SOUTH OF LITKI CONSISTS OF 2 PAD-LIKE CLEARINGS  
ARRANGED ON A FIGURE-8 ROAD PATTERN IN A LARGE  
CLEARING IN A FOREST. NO ERECTORS, TENT AREA, OR  
OTHER ACTIVITY DISCERNIBLE IN SITE AREA.

BONUS 6 ZELENOGORSK SUSPECT STATIC TEST FACILITY UR 6013N 02943E

SECURED RAIL-SERVED FACILITY CONTAINING 2 HIP-ROOFED  
ADMINISTRATION BUILDINGS, ONE STORAGE BUILDING,  
A SMALL STEAM PLANT, A RAIL-TO-ROAD TRANSFER BUILDING,  
A SMALL REVETTED STRUCTURE, 6 UTILITY BUILDINGS,  
AND A BUILDING APPROXIMATELY 240 X 110 FT THAT  
CLOSELY CONFORMS IN BOTH SIZE AND CONFIGURATION  
TO STATIC TEST BUILDINGS WHICH MAY BE USED TO TEST  
ROCKET OR JET ENGINES AT VORONEZH, VERKHNYAYA SALDA,  
AND UFA. THIS BUILDING HAS A FLAT ROOF WITH ONE  
LONGITUDINAL MONITOR, 2 PROJECTIONS RESEMBLING SMALL  
HORIZONTAL TEST CELLS, AND A THIRD PROJECTION THAT  
COULD HOUSE CONTROL EQUIPMENT. A LARGE OVERHEAD  
PIPELINE OR CONVEYOR ENTERS EACH END OF THE BUILDING.  
THE AREA IMMEDIATELY ADJACENT TO THE TEST CELLS  
THAT WOULD NORMALLY CONTAIN A CLEARED BLAST AREA

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OR BLAST PITS CONTAINS 3 PAIRS OF IDENTICAL OBJECTS  
ENCLOSED BY WALLS.

25X1D



**Air  
Facilities**

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25X1A

AIR FACILITIES

PU-HA-MANG-KA-NAI AREA AIRFIELD CH 3412N 09235E

RUNWAY OUTLINE NOT DISCERNIBLE. AIRFIELD  
PROBABLY ABANDONED.

25X1D

KARSHI AIRFIELD SOUTH UR 3849N 06545E

AIRCRAFT -- 3 POSSIBLE LIGHT STRAIGHT-WING.

OBLIQUITY PRECLUDES DETAILED ANALYSIS.

25X1D

**Nuclear  
Energy**



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**Electronics/  
Communications**

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25X1A

ELECTRONICS/COMMUNICATIONS

MOSCOW SUSPECT AMM PHASED-ARRAY RADAR UR 5529N 03641E

CONSTRUCTION CONTINUES ON THE SUSPECT RADAR. THE ANNEX LOCATED AT THE NW CORNER OF THE PROBABLE CONTROL BUILDING HAS BEEN JOINED WITH THE CONTROL BUILDING TO FORM A MODIFIED L-SHAPED BUILDING. NO SIGNIFICANT CHANGES OBSERVED IN OPERATIONS AREA B, OR SUPPORT AREAS A AND B.

25X1D

ELTON ELECTRONIC FACILITY UR 4915N 04648E

INSTALLATION IS SIMILAR TO PALLASOVKA ELECTRONICS FACILITY (COMOR TARGET NO [REDACTED]).

25X1A

25X1D

PALLASOVKA ELECTRONIC FACILITY UR 5003N 04654E

THIS SITE IS NOW IDENTIFIED AS A ELECTRONIC FACILITY (PROBABLY A TRACKING SITE) BASED ON THE IDENTIFICATION OF A COMMUNICATIONS AREA (PREVIOUSLY REPORTED AS UNIDENTIFIED POSITION ON [REDACTED])

25X1D

[REDACTED] WHICH CONTAINS 8 HARDSTANDS WITH A COMMUNICATIONS VAN POSITIONED ON EACH. THIS SITE IS NEARLY IDENTICAL TO THE ELTON SITE AND BASED ON THEIR SIMILARITY THE ELTON SITE IS ALSO IDENTIFIED AS ELECTRONIC (COMOR TARGET NO [REDACTED])

25X1A

25X1D

BONUS OSTROV PANKRATYEVA LONG RANGE LF NAV ANT UR 7607N 06002E

ANTENNA FOR 275-360 KC OPERATION HAS CABLE RUNS THAT INTERSECT AT 90 DEGREES FORMING A T CONFIGURATION. MEASURED FROM TOWER AT CENTER OF INTERSECTION CABLE RUNS EXTEND 7,755 FT NW-SE TO TOWER AT EACH END AND 5,500 FT SW TO FOURTH TOWER.

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25X1D

SUPPORT AREA OF 7 BUILDINGS AND APPROXIMATELY  
4 GENERATORS LOCATED NEAR CENTRAL TOWER.



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## INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET NUMBER, OF ALL COMOR TARGETS REVIEWED DURING THE SCAN OF MISSION 1011-1. THE ROMAN NUMERAL UNDER THE OAK COLUMN INDICATES THE PART OF OAK 1011-1 IN WHICH THE TARGET WAS REPORTED.

25X1A

COMOR	INSTALLATION NAME	CTY	COORDINATES	
	PLESETSK ICBM COMPLEX	UR	6256N 04039E	II
	SVOBODNY ICBM COMPLEX	UR	5146N 12807E	II
	DROVYANAYA ICBM COMPLEX	UR	5132N 11301E	II
	VOZZHAYEVKA SUSPECT SSM AREA	UR	5044N 12842E	I
	TEYKOVO ICBM COMPLEX	UR	5652N 04035E	II
	YEDROVO ICBM COMPLEX	UR	5751N 03341E	II
	GLADKAYA ICBM COMPLEX	UR	5605N 09213E	II
	UZHUR ICBM COMPLEX	UR	5517N 08949E	II
	KOZELSK ICBM COMPLEX	UR	5357N 03548E	II
	NERCHINSK SUSPECT SSM AREA	UR	5158N 11635E	II
	OLOVYANNAYA ICBM COMPLEX	UR	5048N 11550E	I
	ZHANGIZ-TOBE ICBM COMPLEX	UR	4912N 08110E	I
	DOMBAROVSKIY ICBM COMPLEX	UR	5102N 05949E	I
	GVARDEYSK MRBM LAUNCH SITE 2	UR	5445N 02109E	II
	SLAVSK MRBM LAUNCH SITE 2	UR	5500N 02129E	II
	ZNAMENSK MRBM LAUNCH SITE 1	UR	5433N 02111E	II
	GUSEV MRBM LAUNCH SITE 1	UR	5441N 02205E	II
	YELSK MRBM LAUNCH SITE 1	UR	5142N 02912E	II
	BALTA MRBM LAUNCH SITE 1	UR	4801N 02933E	II
	NEMAN MRBM LAUNCH SITE	UR	5501N 02201E	II
	KARA-BABAU IRBM LAUNCH SITE 2	UR	4431N 07758E	I
	ZHITOMIR MRBM LAUNCH SITE 1	UR	5004N 02816E	II
	PETRIKOV MRBM LAUNCH SITE	UR	5210N 02834E	II
	PETROVSKIY IRBM LAUNCH SITE	UR	5000N 05658E	I
	BAYRAM-ALI IRBM LAUNCH SITE	UR	3746N 06212E	I
	BERDICHEV MRBM LAUNCH SITE	UR	5005N 02822E	II
	ROZHDESTVENKA MRBM LAUNCH SITE	UR	4547N 13343E	I
	KARAKHOBDA IRBM LAUNCH SITE	UR	4957N 05651E	I
	GRANOV IRBM LAUNCH SITE 2	UR	4849N 02929E	II
	SMORGON IRBM LAUNCH SITE 2	UR	5426N 02618E	I
	GURLEVO MRBM LAUNCH SITE	UR	5925N 02852E	II
	OTYNYA MRBM LAUNCH SITE	UR	4847N 02450E	II
	RUDNYA ZLOTINSKAYA MRBM LAUNCH SITE	UR	5104N 02807E	II
	SOKAL MRBM LAUNCH SITE 3	UR	5020N 02426E	II
	LIELELEJA MRBM LAUNCH SITE	UR	5624N 02336E	II

Handle Via  
TALENT-KEYHOLE  
Control System Only

# TOP SECRET CHESS RUFF

MISSION 1011-1, 6-9 OCTOBER 1964

TCS-8438/64  
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25X1A

SEMENOVKA IRBM LAUNCH SITE 2	UR 4753N 03057E	II
VAINODE IRBM LAUNCH SITE	UR 5628N 02150E	I
KISHENTSY MRBM LAUNCH SITE	UR 4900N 03013E	II
KALNIK IRBM LAUNCH SITE	UR 4859N 02922E	II
KARA-BABAU IRBM LAUNCH SITE 3	UR 4431N 07743E	I
ACHKHOY-MARTAN MRBM LAUNCH SITE	UR 4310N 04511E	I
POSTAVY MRBM LAUNCH SITE 2	UR 5506N 02700E	I
BOLSHAYA KAMENKA IRBM LAUNCH SITE	UR 5145N 04541E	II
KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR 4835N 04545E	II
SARY-SHAGAN ANTIMISSILE TEST CENTER	UR 4602N 07334E	I
SHUANG-CHENG-TZU MISSILE TEST CENTER	CH 4107N 10020E	II
SHUANG-CHENG-TZU 650 NM IMPACT AREA	CH 4041N 08600E	II
ZAGORSK ROCKET TEST FACILITY	UR 5627N 03812E	I
KRASNOYARSK ROCKET ENGINE TEST FACILITY	UR 5605N 09327E	I
TAI-YUAN PROB SOLID PROPELLANT TEST FAC	CH 3759N 11233E	I
SARATOV AIRFRAME PLANT 292	UR 5130N 04557E	I
MOSCOW GUIDED MISSILE PLANT 67	UR 5545N 03752E	I
KRASNAYA GORBATKA SUSPECT SSM AREA	UR 5553N 04146E	II
NOVOSTROYKA SUSPECT SSM AREA	UR 5619N 03803E	II
CHEBARKUL SUSPECT SSM AREA	UR 5458N 06025E	II
KUZNETSK SUSPECT SSM AREA	UR 5307N 04636E	II
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	UR 6434N 03949E	I
GUBA LITSA SUBMARINE BASE	UR 6926N 03224E	I
VLADIMIR SUBMARINE BASE	UR 4355N 13528E	I
KALININGRAD SUSP NAVAL MISSILE STORAGE	UR 5450N 02028E	I
SOVETSKAYA GAVAN NVL BASE & SHIPYARD 263	UR 4858N 14017E	I
MOSCOW SUSPECT ABM AREA UR 5545N 03737E	UR 5545N 03737E	II
LENINGRAD PROBABLE AMM AREA	UR 5955N 03020E	II
ANTIPINSKOYE SAM ACTIVITY	UR 5254N 11332E	I
CHEREPOVETS SUSP AMM/SAM LNCH COMPLEX U/CUR	UR 5906N 03810E	II
CHEPELEVKA AIRFIELD	UR 4947N 03026E	I
ENGELS AIRFIELD	UR 5129N 04611E	I
SIAULIAI AIRFIELD	UR 5553N 02323E	I
UKRAINA AIRFIELD	UR 5110N 12826E	I
BORZYA AIRFIELD NORTHWEST	UR 5024N 11623E	I
BARANOVICHI AIRFIELD	UR 5306N 02603E	I
MINSK/MACHULISHCHE AIRFIELD	UR 5347N 02735E	I
CHERVONO-GLINSKOYE AIRFIELD	UR 4557N 02923E	I
STRYY AIRFIELD	UR 4914N 02348E	I
BYKHOV AIRFIELD	UR 5331N 03012E	I
MOZDOK AIRFIELD	UR 4347N 04436E	I
KALININGRAD/PROVEREN AIRFIELD	UR 5446N 02025E	I
BELAYA TSERKOV AIRFIELD	UR 4947N 03001E	I
RYAZAN/DYAGILEVO AIRFIELD	UR 5439N 03935E	I
ZHITOMIR/SKOMOROKHI AIRFIELD	UR 5010N 02844E	I
ANISOVO GORODISHCHE AIRFIELD	UR 5414N 03422E	I

## TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

25X2

MISSION 1011-1, 6-9 OCTOBER 1964

TC5-8438/64  
NPIC/R-895/64

25X1A

BOBRUYSK AIRFIELD	UR 5306N 02912E	I
KALININ AIRFIELD	UR 5649N 03545E	I
SOLTSY AIRFIELD	UR 5808N 03020E	I
RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT	UR 5535N 03807E	I
KUNMADARAS AIRFIELD	HU 4724N 02047E	I
PU-HA-MANG-KA-NAI AREA AIRFIELD	CH 3412N 09235E	II
KARSHI AIRFIELD SOUTH	UR 3849N 06545E	II

BEREZOVKA/KRASNOARMEYSKOYE SENS OP CMPLX	UR 5111N 04600E	II
CHEBSARA SENSITIVE OPERATIONS COMPLEX	UR 5906N 03837E	II
DODONOVO ATOMIC ENERGY COMPLEX	UR 5616N 09328E	I
NARYAN-MAR SUSPECT NE TEST AREA	UR 6739N 05300E	I
KRONSTADT NAVAL BASE AND SHIPYARD	UR 5959N 02947E	I
KLAIPEDA NAVAL BASE AND SHIPYARD	UR 5542N 02108E	I
LENINGRAD SHIPYARD ADMIRALTY 194	UR 5955N 03016E	I
LENINGRAD SHIPYARD ZHDANOV 190	UR 5952N 03014E	I
LENINGRAD SHIPYARD BALTIYSK/ORDZH 189	UR 5955N 03016E	I
LENINGRAD SHIPYARD SUDOMEKH 196	UR 5956N 03017E	I
TAI-YUAN AREA CHEMICAL PLANTS	CH 3746N 11229E	I
SAMODED SUSPECT COMMUNICATIONS FACILITY	UR 6336N 04028E	I
LAPICHI HF RDO RELAY & MF BROADCAST STA	UR 5325N 02831E	I
MOSCOW SUSPECT AMM PHASED-ARRAY RADAR	UR 5529N 03641E	II
TALSI SUSPECT SATELLITE TRACKING STATION	UR 5717N 02235E	I
ELTON ELECTRONIC FACILITY	UR 4915N 04648E	II
PALLASOVKA ELECTRONIC FACILITY	UR 5003N 04654E	II
CHIATURA COMPLEX	UR 4217N 04316E	I
ZHUKOVKA SENSITIVE OPERATIONS COMPLEX	UR 5333N 03357E	I
CHAADAYEVKA SENSITIVE OPERATIONS COMPLEX	UR 5307N 04602E	I

TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only



## Attachments

# TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

MISSION 1011-1, 6-9 OCTOBER 1964

TCS-8438 64

NPIC R-895 64

ATTACHMENT 1



NPIC J-4678 (10/64)

PROBABLE LAUNCH AREAS G AND H, PLESETSK ICBM COMPLEX, USSR

TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

25X1B

Approved For Release 2001/03/03 : CIA-RDP78T05439A000400180106-5

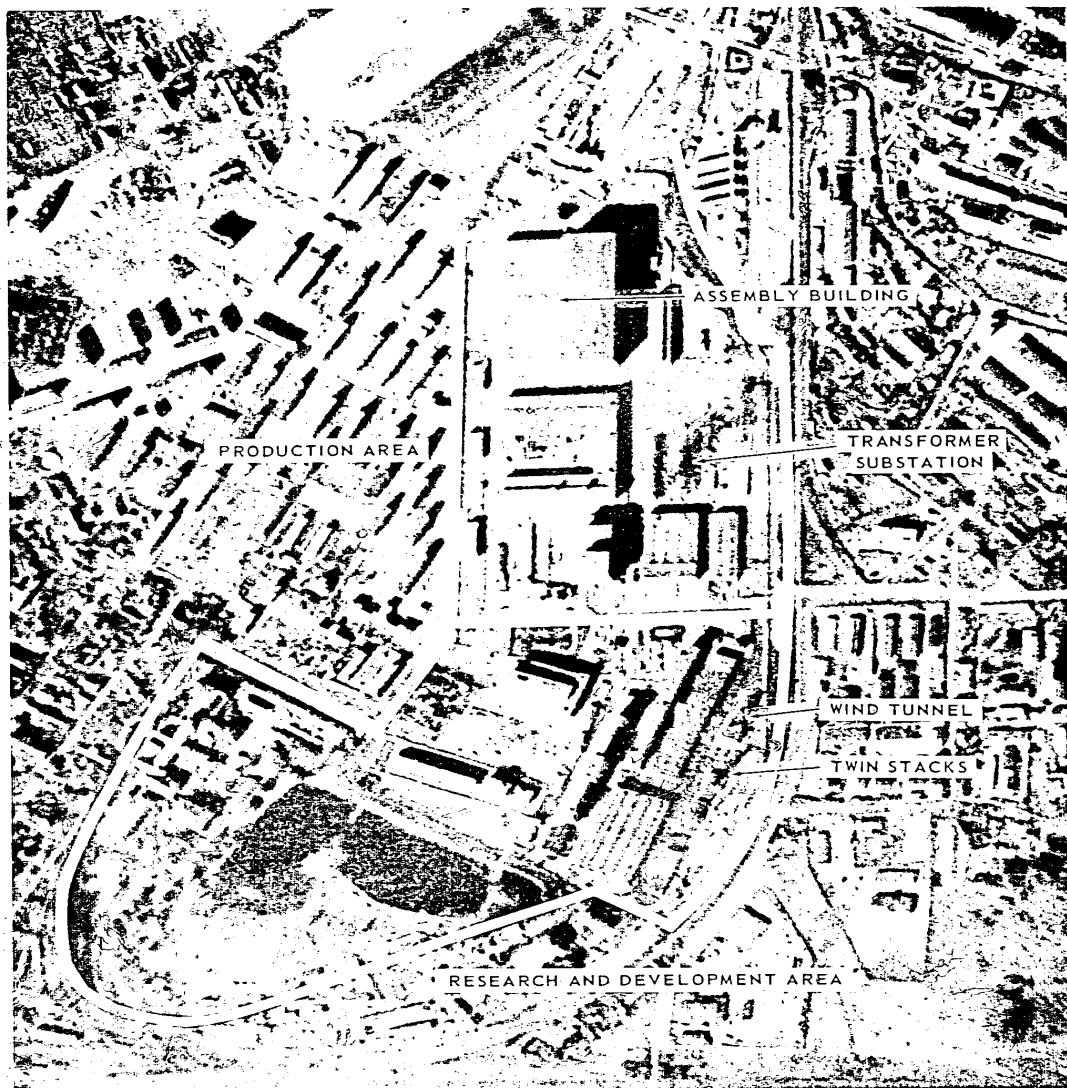
Approved For Release 2001/03/03 : CIA-RDP78T05439A000400180106-5

TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

MISSION 1011-1, 6-9 OCTOBER 1964

TCS-8437 64  
NPIC R-894 64  
ATTACHMENT 3



MOSCOW GUIDED MISSILE PLANT 67, REUTOV, USSR

NPIC J-4680 (10/64)

TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

# TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

MISSION 1011-1, 6-9 OCTOBER 1964

TCS-8438/64  
NPIC R-895/64  
ATTACHMENT 4



PROBABLE BUILDING TRIAD, SA-1 SAM SITE E33-1, MOSCOW, USSR

NPIC J-4681 (10/64)

# TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

MISSION 1011-1, 6-9 OCTOBER 1964

TCS-8438/64  
NPIC R-895/64  
ATTACHMENT 5



NPIC J-4682 (10/64)

SUSPECT BUILDING TRIAD, SA-1 SAM SITE E05-1, MOSCOW, USSR

TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

# TOP SECRET CHESS RUFF

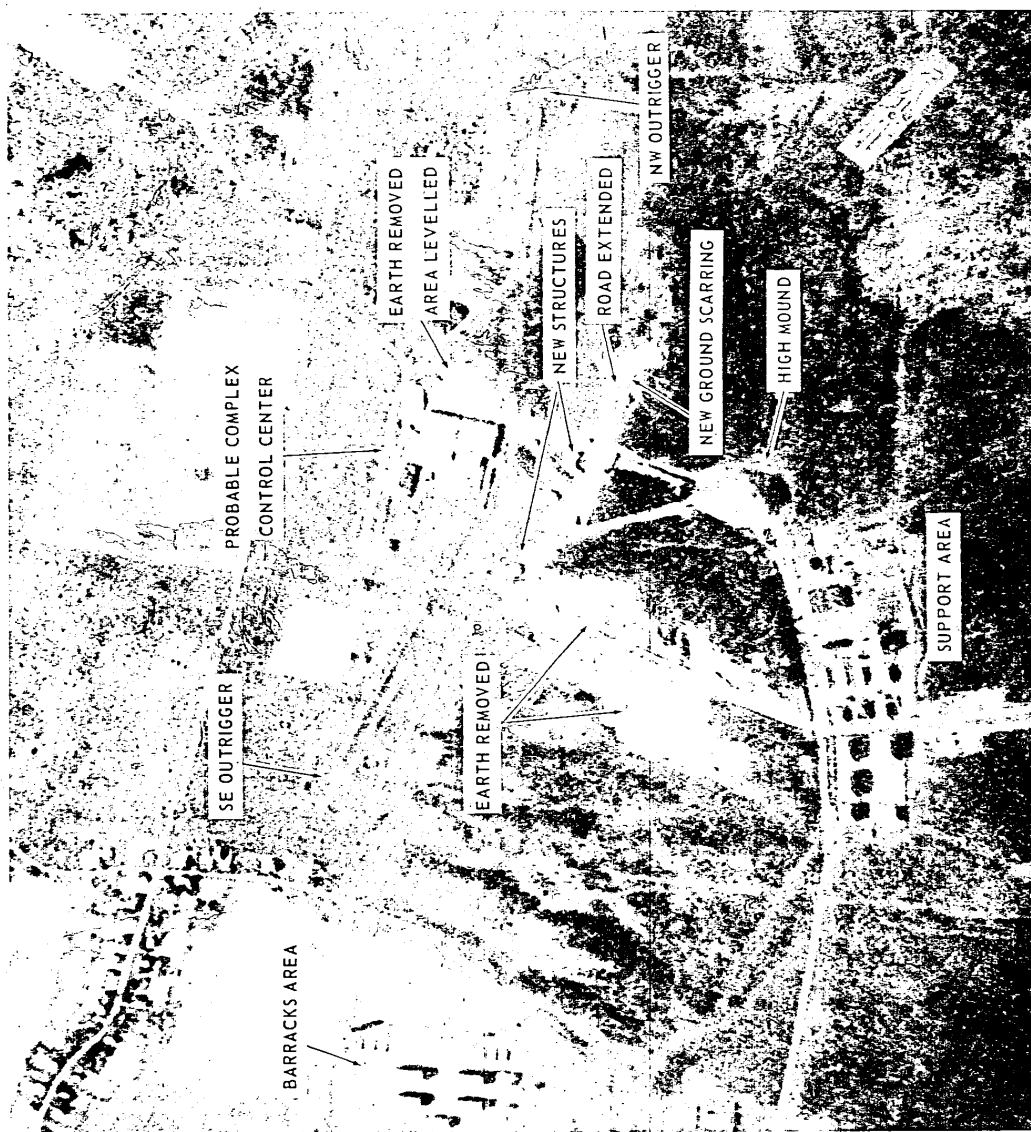
Handle Via  
TALENT-KEYHOLE  
Control System Only

MISSION 1011-1, 6-9 OCTOBER 1964

TCS-8438 64

NPIC R-895 64

ATTACHMENT 6



NORTHEAST PROBABLE AMM LAUNCH COMPLEX, Leningrad, USSR

NPIC J-4603 (10/64)

TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

MISSION 1011-1, 6-9 OCTOBER 1964

TCS-8438. 64

NPIC R-895. 64

ATTACHMENT 7



NPIC J-4684 (10/64)

NORTHWEST PROBABLE AMM LAUNCH COMPLEX, LENINGRAD, USSR

TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only



TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

MISSION 1011-1, 6-9 OCTOBER 1964

TCS-8438 64  
NPIC R-895 64  
ATTACHMENT 8



PROTON ACCELERATOR, SERPUKHOV, USSR

NPIC J-4685 (10/64)

TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

25X2

Approved For Release 2001/03/03 : CIA-RDP78T05439A000400180106-5

Approved For Release 2001/03/03 : CIA-RDP78T05439A000400180106-5

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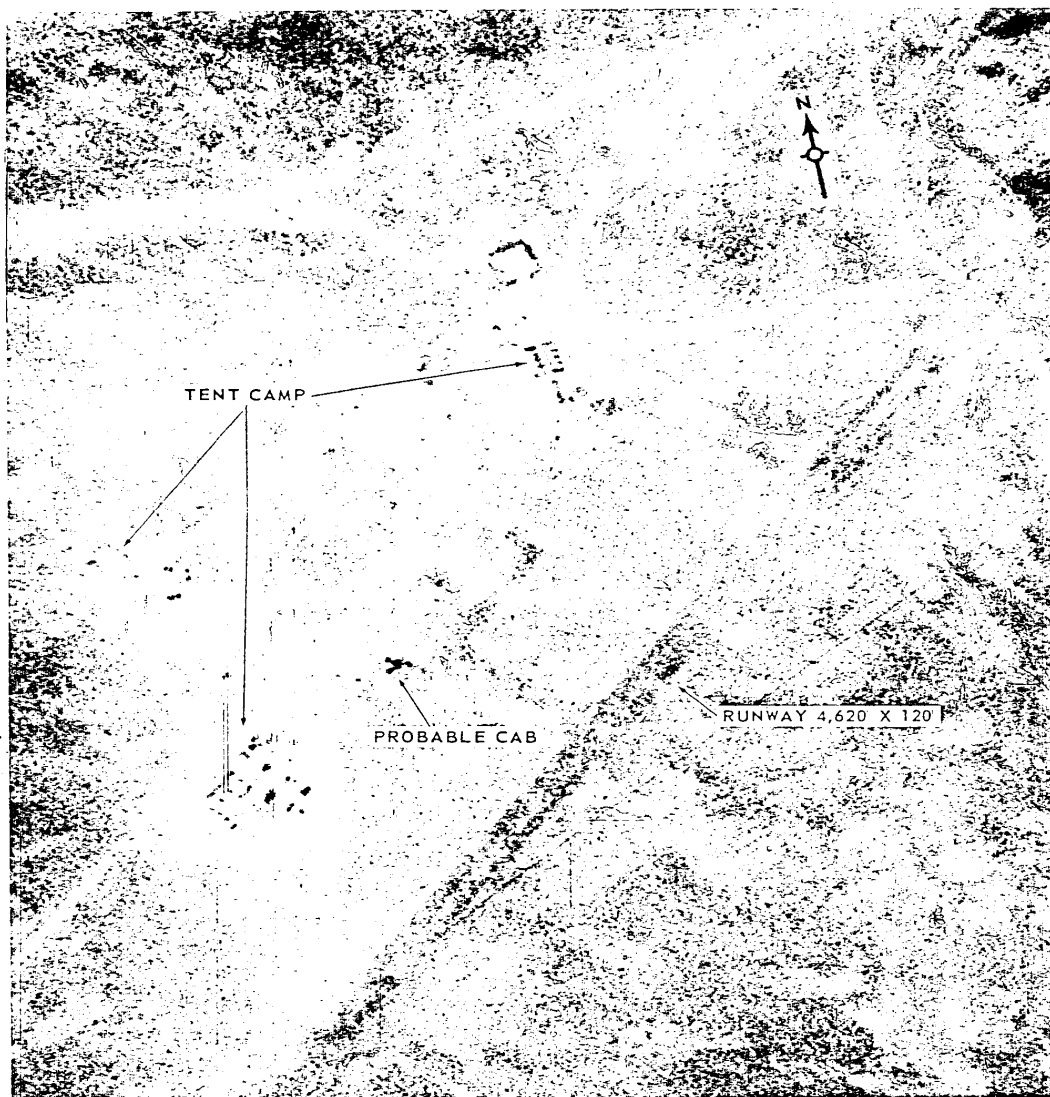
Handle Via  
TALENT-KEYHOLE  
Control System Only

MISSION 1011-1, 6-9 OCTOBER 1964

TCS-8438 64

NPIC R-895/64

ATTACHMENT 10



AIRFIELD, LOP NOR AREA SUPPORT BASE, CHINA

NPIC J-4686 (10/64)

# TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

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